

APPENDIX 3
LIST OF CONSTITUENTS TO BE TESTED AND
FREQUENCY OF REQUIRED MONITORING

CONSTITUENT	UNITS	INITIAL FREQUENCY OF SAMPLING AND ANALYSIS ¹
Flow	CFS Ft ³ /Sec	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
pH	pH units	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Temperature	⁰ F	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Dissolved Oxygen	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Turbidity	NTU	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season,, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Total Dissolved Solids	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Total Suspended Solids	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season,

¹ The monitoring frequency will be structured in two phases. The first phase covers the monitoring conducted during the 2-year period from submittal of the NOI . During the first phase, the frequency of monitoring shall be twice during each dry weather period and twice during each wet weather period. The second phase covers the period from the end of the first phase until the expiration of the Conditional Waiver. During the second phase, the frequency of the monitoring shall be once during each dry weather period and once during each wet weather period. Toxicity shall be monitored at least once during each dry weather period.

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		and (3) 2 dry season samples during irrigation
Chloride	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Ammonia	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Nitrate-Nitrogen	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Aldrin	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Chlordane	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
4,4'-DDT	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
4,4'-DDD	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
DDE	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Dieldrin	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet

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		season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Toxaphene	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Chlorpyrifos	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Pyrethroids	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Diazinon	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season,, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Toxicity	TU _c ²	One sample shall be collected between October 15 and May 15 immediately following the first storm producing 0.25 inch of rain. A second sample shall be collected between May 16 and October 14 immediately following pesticide application and irrigation when discharge occurs. This monitoring frequency shall continue for the first two monitoring years, at which time the Executive Officer may modify the requirement.
Phosphate	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples during irrigation
Sulfate	mg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, , (2) one other storm event in the wet season, and (3) 2 dry season samples during

² Chronic Toxic Unit is the reciprocal of the effluent concentration that causes no observable effects on the test organism by the end of an chronic toxicity test

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		irrigation
Organophosph ate Suite ³	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application
Organochlorin es Suite ⁴	µg/L	Discharger shall collect water samples during the first 24 hours of discharge from (1) the first storm event of greater than 0.25 inches during the wet season, (2) one other storm event in the wet season, and (3) 2 dry season samples immediately following a pesticide application

³ Organophosphate Suite: Bolstar, Chlorpyrifos, Demeton, Diazinon, Dichlorvos, Dimethoate, Disulfoton, Ethoprop, Fenchlorophos, Fensulfotion, Fenthion, Malathion, Merphos, Methyl Parathion, Mevinphos, Phorate, Tetrachlorvinphos, Tokuthion, Trichloronate

⁴ Organochlorine Suite: 2,4' – DDD, 2,4' – DDE, 2,4' DDT, 4,4' -DDD, 4,4' -DDE, 4,4' -DDT, Aldrin, BHC-alpha, BHC-beta, BHC-delta, BHC-gamma, Chlordane-alpha, Chlordane-gamma, Dieldrin, Endosulfan sulfate, Endosulfan-I, Endosulfan-II, Endrin, Endrin Aldehyde, Endrin Ketone